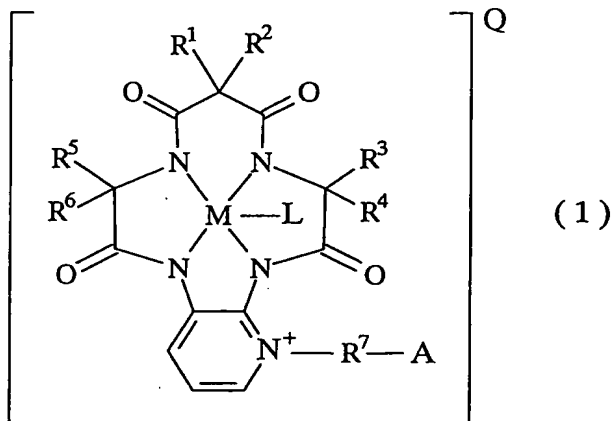


## Claims

1. A cyclic amide transition metal complex represented by formula (1)



wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup> and R<sup>6</sup> are the same or different and each represent a hydrogen atom, a C1 to C16 hydrocarbon, a perfluoroalkyl group or a halogen atom, R<sup>7</sup> represents an optionally substituted C1 to C18 alkylene or a perfluoroalkylene group, A represents a group having 1 to 3 quaternary ammonium groups substituted with a linear or branched alkyl group or linked with a linear or branched alkylene group, a cyclic quaternary ammonium group or a heterocyclic aromatic quaternary cation group which may be substituted with a linear or branched alkyl group, M represents a transition metal, L represents a ligand and Q represents an arbitrary counterion equilibrated stoichiometrically with a charge of the compound.

2. The cyclic amide transition metal complex according to claim 1, wherein in formula (1),  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  each represent a methyl group,  $R^7$  represents a  $-(CH_2)_n-$  group wherein  $n$  is an integer of 1 to 18,  $A$  represents  $-N^+(CH_3)_2(C_mH_{2m+1})$  wherein  $m$  is an integer of 1 to 18,  $-N^+(CH_3)_2-(CH_2)_p-N^+(CH_3)_3$  wherein  $p$  is an integer of 1 to 18, or a pyridinium group, and  $Me$  is  $Fe(III)$ .

3. A bleaching catalyst comprising the cyclic amide transition metal complex according to claim 1 or 2.

4. A bleaching composition comprising (a) a bleaching catalyst comprising the cyclic amide transition metal complex according to claim 1 or 2 and (b) a peroxy bleaching agent selected from the group consisting of hydrogen peroxide and a peroxide or an organic peracid generating hydrogen peroxide in an aqueous solution thereof.